

<i>Razin™</i> Engineering Plastics		Quality Management System Product Information	
Form Code:7Te02F1	No.:B121GR30		

Razamid® B121 GR30

Razamid B121 GR30 is an injection grade black color polyamide 6 resin reinforced with 30% Glass Fiber. It combines good strength, stiffness and toughness as well as excellent heat, chemical and abrasion resistance.

Properties	Test Method	Unit	Value
Physical			
Density	ASTM D 792	g/cm ³	1.36
Linear Mold Shrinkage	ASTM D 955	%	0.8

Mechanical			
Tensile Strength, Yield	ASTM D 638	MPa	175
Elongation at Break	ASTM D 638	%	3
Flexural Strength	ASTM D 790	MPa	260
Flexural Modulus	ASTM D 790	MPa	8600
Izod Impact, Notched @ 23 °C	ASTM D 256	KJ/m ²	15
@ -30 °C			-

Thermal			
Melting Point	ASTM D 3418	°C	220
Deflection Temperature Under Load @ 0.46 MPa	ASTM D 648		215
@ 1.8 MPa		°C	205
Vicat Softening point	ASTM D 1525	°C	210

Electrical			
Surface Resistivity	IEC 60093	Ohm	10 ¹²
Volume Resistivity	IEC 60093	Ohm.cm	10 ¹³
Dielectric constant	ASTM D 150		-
Dielectric strength	ASTM D 149	KV/mm	-

Processing						
Drying:						
	Drying Time:	2 – 4 hr		Drying Temperature	90 - 110 °C	
Injection Molding:						
Item	Rear Temp (°C)	Middle Temp (°C)	Front Temp (°C)	Melt Temp (°C)	Mold Temp (°C)	Inj. Pressure (Mpa)
Min	220	240	255	250	30	55
Max	240	260	275	270	60	140

The data contained in this publication are based on our current knowledge and experience. In view of the many actors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.

Razin™ Engineering Plastics

Sales Office: Unit1, No.332, Mokhberi Blvd, North janat abad St., Tehran,Iran

Tel: + (98) 21 44623931

Fax: +(98) 21 44623931

Web address: www.Razinpolymer.com